



April 9, 2012



US EPA Region 10
Director, Office of Compliance & Enforcement
1200 Sixth Avenue, OCE-133
Seattle, Washington 98101

RE: NPDES # WA-002666-2, MONTHLY REPORT – MARCH, 2012 - ELWHA WATER TREATMENT PLANT

Attn: PCS Data Entry Team

Enclosed is the monthly Discharge Monitoring Report (DMR) for the Elwha Water Treatment Plant (Port Angeles, WA), for the month of March, 2012. The report is being submitted by Veolia Water North America (VWNA) Operating Services on behalf of the US Department of Interior, Bureau of Reclamation.

I have also resubmitted the DMR and data sheet for February, 2012. A small error was discovered and corrected in the reported influent mass loading for TSS (over 50 NTU).

Copies have been submitted to the Washington DOE.

Please contact me if there are any questions or comments regarding the enclosed Forms and report.

Sincerely,

Michael S Greene
District Manager

CC: Richard Bauman, BOR
Tracy Gilchrist, NPS
Jeff Bohman, NPS
Tom Hubbard, VWNA
Chet Epperson, VWNA

Enclosures:

- DMR, March, 2012; EPA Form 3320-1 (4 pages)
- Table of values & mass limits for turbidity over 50 NTU
- Corrected DMR and data table for February 2012

VEOLIA WATER NORTH AMERICA
PO BOX 90578 Henderson, NV 89009
Tel 702-566-6001 / Fax 702-566-9030
www.Veoliawaterna.com



PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME US Department of Interior
Bureau of Reclamation
ADDRESS 826 East Front Street, Suite A
Port Angeles WA 98362-3613

FACILITY Elwha Water Treatment Plant

LOCATION Elwha River/ Lat: 48° 10' 10" N/Long: 123° 33' 7" W.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)
WA-002666-2
PERMIT NUMBER

(17-19)
001
DISCHARGE NUMBER

Sedimentation Plant (non-wastewater)

Influent and effluent flows and other parameters are averaged for days that discharges occurred.

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2012	03	01		2012	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		(46-53)	(54-61)	UNITS	(38-45)	(46-53)	(54-61)	UNITS			
		AVERAGE MONTHLY	MAXIMUM DAILY		MINIMUM	AVERAGE MONTHLY	MAXIMUM DAILY				
Flow Influent [0056 7 0 0]	SAMPLE MEASUREMENT	44.9	51.2	CFS	*****	*****	*****		0	continuous	recording
	PERMIT REQUIREMENT	Report	Report							Continuous	Recording
Flow Effluent [0056 1 0 0]	SAMPLE MEASUREMENT	1.2	3.8	CFS	*****	*****	*****		0	continuous	recording
	PERMIT REQUIREMENT	Report	Report							Continuous	Recording
Turbidity Influent [00070 7 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	295	1392	NTU	0	continuous	recording
	PERMIT REQUIREMENT					Report	Report			Continuous	Recording
pH Influent [00400 7 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	7.8	8.0	S.U.	0	daily	grab
	PERMIT REQUIREMENT					6.5 – 8.5	8.5			5/ week	Grab
pH Effluent [00400 1 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	7.7	8.0	S.U.	0	daily	grab
	PERMIT REQUIREMENT					6.5 – 8.5	8.5			5/ week	Grab
Temperature Influent [00010 7 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	4.3	5.5	°C	0	daily	grab
	PERMIT REQUIREMENT					Report	Report			5/Week	Grab
Temperature Effluent [00010 1 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	4.5	5.6		0	daily	grab
	PERMIT REQUIREMENT					Report	Report			5/Week	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Michael S Greene, PE Project/Plant Manager, Veolia Water N. America Operating Services	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	TELEPHONE		DATE			
		360	417-1180	2012	4	09	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Computer Reproduction EPA Form 3320-1

Page 1 of 4



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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)


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Sedimentation Plant (non-wastewater)

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		(46-53)	(54-61)	UNITS	(38-45)	(46-53)	(54-61)	UNITS			
		AVERAGE MONTHLY	MAXIMUM DAILY		MINIMUM	AVERAGE MONTHLY	MAXIMUM DAILY				
Fecal Coliform Influent [31625 7 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	3	5	#/100 ml	0	10/Mo	grab
	PERMIT REQUIREMENT					Report	Report			10/Month	Grab
Fecal Coliform Effluent [31625 1 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	7.5	13	#/100 ml	0	10/Mo	grab
	PERMIT REQUIREMENT					Report	Report			10/Month	Grab
Total Suspended Solids Influent Daily Average Influent Turbidity > 50 NTU	SAMPLE MEASUREMENT	66,490	338,396	Lb/Day	*****	270.8	1317.5	mg/L	0		
	PERMIT REQUIREMENT	Report	See I.B.3 & I.B.4			Report	Report			Daily	24-Hr composite
Total Suspended Solids Effluent Daily Average Influent Turbidity > 50 NTU	SAMPLE MEASUREMENT	29,821	152,498	Lb/Day	*****	4,332	23,125	mg/L	0		
	PERMIT REQUIREMENT	204,570	1,190,010			Report	Report			Daily	24-Hr composite
Total Suspended Solids Influent [00530 7 0 0] Daily Average Influent Turbidity < 50 NTU	SAMPLE MEASUREMENT	No readings<50	No readings<50	#/CFS River	*****	No readings<50	No readings<50	mg/L	0	Day of discharge	comp
	PERMIT REQUIREMENT	Report	22			Report	Report			Daily	24-Hr composite
Total Suspended Solids Effluent 00530 P 0 0] Daily Average Influent Turbidity ≤ 50 NTU	SAMPLE MEASUREMENT	No readings<50	No readings<50	#/CFS River	*****	No readings<50	No readings<50	mg/L	0	Day of discharge	comp
	PERMIT REQUIREMENT	Report	22			Report	Report			Daily	24-Hr composite
Settleable Solids Influent [00545 7 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	≤ 1.0	≤ 1.0	ml/L	0	1/month	comp
	PERMIT REQUIREMENT					Report	Report			1/month	24-Hr composite

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Sedimentation Plant (non-wastewater)

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		(46-53)	(54-61)	UNITS	(38-45)	(46-53)	(54-61)	UNITS			
		AVERAGE MONTHLY	MAXIMUM DAILY		MINIMUM	AVERAGE MONTHLY	MAXIMUM DAILY				
Settleable Solids Effluent [00545 1 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	25.3	36	ml/L	0	1/month	comp
	PERMIT REQUIREMENT					Report	Report			1/month	24-Hr composite
BOD ₅ Effluent [00310 1 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	3.4	3.4	mg/L	0	1/month	comp
	PERMIT REQUIREMENT					Report	Report			1/month	24-Hr composite
Alkalinity Effluent [0410 1 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	55.2	70	mg/L as CaCO ₃	0	daily	comp
	PERMIT REQUIREMENT					Report	Report			1/month	24 Hr comp
Total Dissolved Solids Influent [70295 7 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	95	170.5	mg/L	0	4/month	comp
	PERMIT REQUIREMENT					Report	Report			1/month	24-Hr composite
Total Dissolved Solids Effluent [70295 1 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	196.6	487.9	mg/L	0	4/month	comp
	PERMIT REQUIREMENT					Report	Report			1/month	24-Hr composite
Total Aluminum Influent [01105 7 0 0]	SAMPLE MEASUREMENT	642.9	642.9	lb/Day	*****	2.5	2.5	mg/L	0	1/month	comp
	PERMIT REQUIREMENT	Report	Report			Report	Report			1/month	24-Hr composite
Total Aluminum Effluent [01105 1 0 0]	SAMPLE MEASUREMENT	111.8	111.8	lb/Day	*****	20.0	20.0	mg/L	0	1/month	comp
	PERMIT REQUIREMENT	Report	Report			Report	Report			1/month	24-Hr composite

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		(46-53)	(54-61)		(38-45)	(46-53)	(54-61)						
		AVERAGE MONTHLY	MAXIMUM DAILY	UNITS	MINIMUM	AVERAGE MONTHLY	MAXIMUM DAILY	UNITS					
Dissolved Oxygen Influent [00300 7 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	10.8	12.0		0	DAILY	grab		
	PERMIT REQUIREMENT					Report	Report	mg/L		1/Month	Grab		
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
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DMR-NPDES_ELWHA_MAR-2012



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INFLUENT TURBIDITY ABOVE 50 NTU

Day	Influent Turbidity - 13 NTU	Flow, Daily, Influent 40 MGD	flow/daily, at outfall 3078 MGD	flow/daily at outfall cal CFS	River Flow, 1 CFS	TSS Influent, 8 mg/L	TSS Influent Mass_Calc Lbs/Day	TSS Effluent 5002 mg/L	TSS Effluent Mass_Calc Lbs/Day	Mass Limit_calc lbs/day
3/1/2012	76.00	30.2	0.67	1.04	1120	72.2	18,181	1412	7,890	44,108
3/2/2012	84.00	29.7	0.75	1.16	1110	64.5	15,972	1150	7,193	39,103
3/3/2012	102.00	30.5	0.70	1.08	1270	80.7	20,544	1126	6,574	55,860
3/4/2012	82.00	28.6	0.66	1.02	1050	83.9	20,008	1202	6,616	48,077
3/5/2012	86.00	27.3	0.63	0.97	1130	82.6	18,791	1276	6,704	50,878
3/6/2012	77.00	28.7	0.66	1.02	1110	77.2	18,488	1257	6,919	46,739
3/7/2012	75.60	29.2	0.67	1.04	1020	57.8	14,092	1138	6,359	32,190
3/8/2012	76.60	28.6	0.67	1.04	961	52.5	12,533	1010.7	5,648	27,565
3/9/2012	81.00	28.7	0.68	1.05	945	54.8	13,127	1046.7	5,936	28,305
3/10/2012	90.00	28.2	0.67	1.04	1050	72.4	17,048	1110.7	6,206	41,494
3/11/2012	73.00	28.1	0.67	1.04	1070	70.4	16,517	988	5,521	41,108
3/12/2012	91.00	25.8	0.63	0.97	1080	86	18,536	1458	7,661	50,650
3/13/2012	100.00	28.3	0.68	1.05	1100	81.7	19,300	1404	7,962	49,037
3/14/2012	81.00	30.8	0.67	1.04	1020	68.26	17,553	1346.7	7,525	38,015
3/15/2012	122.00	30.7	0.67	1.04	1490	179.73	45,964	3180.7	17,773	145,710
3/16/2012	249.00	31.4	0.84	1.30	2250	251.2	65,831	4088.6	28,643	307,134
3/17/2012	218.00	33.1	0.71	1.10	1790	187.9	51,850	2384	14,117	182,842
3/18/2012	153.70	29.9	0.65	1.01	1460	126.5	31,556	2379	12,897	100,483
3/19/2012	172.00	29.1	0.64	0.99	1740	156.1	37,832	2612	13,942	147,584
3/20/2012	147.00	28.19	0.67	1.04	1270	155.7	36,610	2804	15,668	107,731
3/21/2012	612.00	29.42	0.68	1.05	1200	273.4	67,080	5252	29,785	178,860
3/22/2012	189.69	29.42	0.68	1.05	1280	197.7	48,503	3663	20,774	137,878
3/23/2012	229.00	29.30	0.70	1.08	1145	226.9	55,446	4319	25,214	141,742
3/24/2012	212.50	28.92	0.69	1.07	1030	304.7	73,479	4910	28,255	171,394
3/25/2012	354.00	28.92	0.66	1.02	1110	370.4	89,322	4499	24,764	224,250
3/26/2012	393.00	28.10	0.67	1.04	1040	521.1	122,122	9282	51,866	295,837
3/27/2012	534.00	27.54	0.65	1.01	961	702.9	161,445	11454	62,092	368,934
3/28/2012	816.00	28.64	0.68	1.05	1220	1224.6	292,454	23125	131,147	814,369
3/29/2012	1351.00	26.53	0.63	0.97	1870	624.93	138,293	15205	79,890	634,649
3/30/2012	1392.00	34.66	2.46	3.81	1910	568.53	164,318	7433	152,498	599,150
3/31/2012	821.00	30.80	1.34	2.07	1650	1317.5	338,396	10775	120,417	1,190,010
DAILY MAX	1392	34.66	2.46	3.81	2,250	1317.5	338,396	23,125	152,498	1,190,010
AVERAGE	295	29.27	0.76	1.17	1,273	270.8	66,490	4,332	29,821	204,570